

APPLICANT: Carpenter
SERIAL NO.: 09/178,035

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- (c) a supplemental buffer, such that the pH of the culture medium is between pH 6 and pH 8;
 - (d) [a source of] supplemental hormones, wherein the hormones are selected from the group consisting of insulin, transferrin, progesterone, selenium, putrescine, and combinations thereof;
 - (e) one or more growth factors that stimulate proliferation of neural stem cells, wherein the growth factors are present at a concentration of between 0.2 ng/ml and 200 ng/ml, and;
 - (f) [LIF] leukocyte inhibitory factor (LIF), wherein the LIF is present at a concentration of between 0.1 ng/ml and 500 ng/ml.

8. The [media] medium of claim 7 ¹[wherein] further comprising heparin [is also present].

REMARKS

At the Examiner's suggestion, Applicant has amended the abbreviated "LIF" in claim 7 to recite both the full-length name --leukocyte inhibitory factor-- as well as the abbreviation. Applicant has also amended claims 7 and 8 to replace the term "media" with the term --medium-- to clearly define a singular culture medium. Applicant has further replaced "defined culture medium" with the term --defined basal medium--.

Applicant has amended claim 7 to recite that the buffer provides the culture medium with a pH between 6 and 8. Support for this amendment is found in the specification, pg. 4, line 24. Claim 7 has also been amended to recite that the carbohydrate, buffer and hormones are supplemental to the defined basal medium and to remove the term "source." Claim 7 has been further amended to recite supplemental hormones. Support for this amendment is found in the specification, pg. 4, lines 10-11. Claim 7 has been amended to recite ranges for carbohydrate, growth factor, and LIF concentrations. Support for this amendment is found in the specification, pg. 5, lines 1-4.